

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for treating diabetes, which essentially consists of administering ~~one or more colony stimulating factors~~ granulocyte colony-stimulating factor as an active ingredients ingredient of a composition to a diabetic patient in need thereof in an amount sufficient to ~~regenerate or promote~~ regeneration of regenerate β -cells in pancreatic Langerhans' islets of said patient, wherein the granulocyte colony-stimulating factor differentiates autologous bone marrow cells into β -cells.

Claims 2-3 (Cancelled).

4. (Currently Amended) A method for regenerating β -cells in pancreatic Langerhans' islets, which essentially consists of administering ~~one or more colony stimulating factors~~ granulocyte colony-stimulating factor as an active ingredients ingredient to a diabetic patient in need thereof in an amount sufficient to provide ~~or promote~~ said regeneration, wherein granulocyte colony-stimulating factor differentiates autologous bone marrow cells into β -cells.

Claims 5-6 (Cancelled).

7. (Currently Amended) A method for preventing β -cell disruption in pancreatic Langerhans' islets, which essentially consists of

administering ~~one or more colony stimulating factors~~
granulocyte colony-stimulating factor as an active ~~ingredients~~
ingredient of a composition to a diabetic patient in need thereof in an amount sufficient to provide ~~or promote~~ said preventing.

Claims 8-9 (Cancelled).

10. (Currently Amended) A method for producing pancreatic Langerhans β -cells, which comprises the steps of:

(a) collecting stem cells after administering ~~one or more colony stimulating factors~~ granulocyte colony-stimulating factor to a diabetic patient in need thereof; and

(b) differentiating the collected stem cells into pancreatic Langerhans β -cells.

Claims 11-15 (Cancelled).

16. (Currently Amended) A method for treating diabetes, which essentially consists of

administering ~~one or more colony stimulating factors~~
granulocyte colony-stimulating factor as as active ~~ingredients~~

ingredient of a composition to a diabetic patient in need thereof in amount sufficient to prevent or inhibit β -cell disruption in pancreatic Langerhans' islets.

17-20. (Cancelled).

21. (Currently Amended) A method for treating diabetes, which comprises the steps of:

(a) administering ~~one or more colony stimulating factors~~ granulocyte colony-stimulating factor as an active ~~ingredients~~ ingredient of a composition to a diabetic patient in need of regenerating β -cells in pancreatic Langerhans' islets; and

(b) administering to the patient a diabetic drug selected from the group consisting of sulphonylurea drugs, biguanide drugs and thiazolysine derivative drugs, wherein the granulocyte colony-stimulating factor differentiates autologous bone marrow cells into β -cells.

22. (Currently Amended) A method for treating diabetes, which comprises the steps of:

(a) administering ~~one or more colony stimulating factors~~ granulocyte colony-stimulating factor as an active ~~ingredients~~ ingredient of a composition to a diabetic patient

in need of preventing or inhibiting β -cells disruption in pancreatic Langerhans' islets; and

(b) administering to the patient a diabetic drug selected from the group consisting of sulphonylurea drugs, biguanide drugs and thiazolysine derivative drugs,

wherein the granulocyte colony-stimulating factor differentiates autologous bone marrow cells into β -cells.

23. (New) The method of claim 1 wherein the granulocyte colony-stimulating factor is administered without any other agent for treating diabetes.

24. (New) The method of claim 4 wherein the granulocyte colony-stimulating factor is administered without any other agent for regenerating β -cells in pancreatic Langerhans' islets.

25. (New) The method of claim 7 wherein the granulocyte colony-stimulating factor is administered without any other agent for preventing cell disruption in pancreatic Langerhans' islets.